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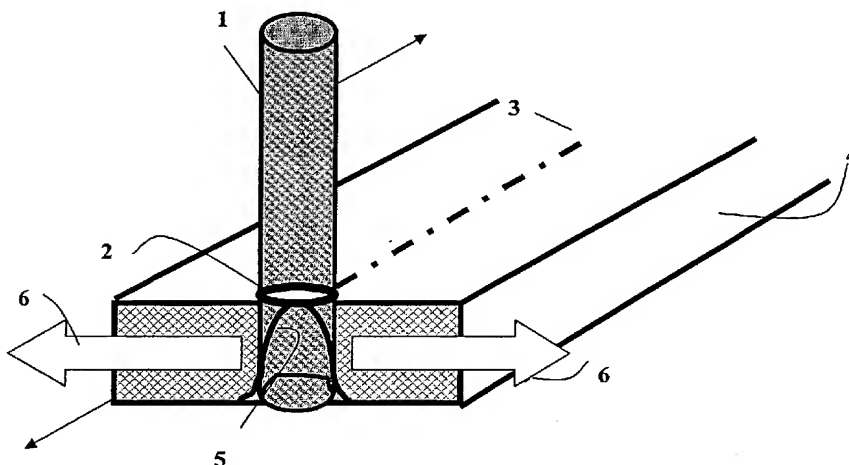
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: A METHOD OF SEPARATING NON-METALLIC MATERIAL USING MICROWAVE RADIATION



(57) Abstract: A method of high speed cutting of non-metallic materials (14), preferably glass, is described. In the inventive method a concentrated microwave radiation (1) with appropriate frequency and power density is chosen so as to accomplish heating of at least one selected area (2) of the body at the required separating propagation path (3) to required temperature in a selected short time while ensuring that this temperature is large enough to create a thermal stress (6) through the thickness of the selected area that results in the separating of the body material.

WO 2006/025994 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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